

FIG. 1

Quota Usage Management Process Overview

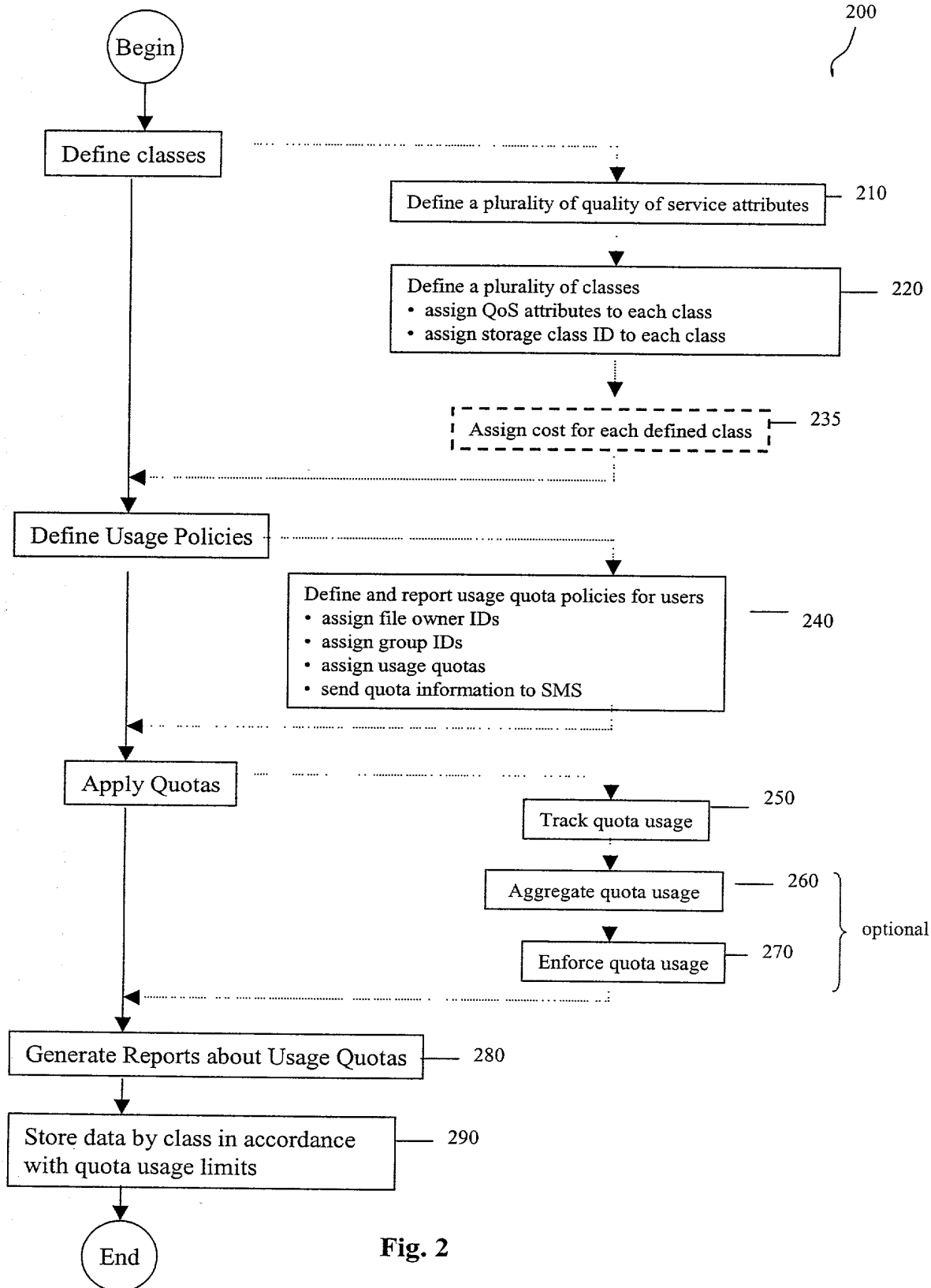


Fig. 2

| | | | | | | | | | | |
|-----------|---|---------------------------------|-----------------------|-----------------------------|------------------------------|-----------------------------------|------------------|--|--|--|
| 341 | Storage Class/Storage Class ID (SCID)/Storage Class Cost per unit (e.g Adequately Reliable/ 1 / x\$) | | | | | | | | | |
| | Quality of Service (QoS) Attributes | Adequately reliable/ 1 / x\$ | Reliable/ 2 / 2x\$ | Very reliable / 3 / 3x\$ | Highly reliable/ 4 / 4x\$ | Very highly reliable/ 5 / 5x\$ | | | | |
| | | Performance | 500 creates/sec | 1000 creates/sec | 1500 creates/sec | 2000 creates/sec | 2500 creates/sec | | | |
| | | Reliability | RAID 0 | RAID 1 | RAID 2 | RAID 3 | RAID 5 | | | |
| | | Availability | 1 | 1 | 1 | 1 | 1 | | | |
| | | Latency | 25 msec | 20 msec | 15 msec | 10 msec | 5 msec | | | |
| Bandwidth | 10 Mbps | 10 Mbps | 10 Mbps | 10 Mbps | 100 Mbps | | | | | |

FIG. 3

Quota Usage Definition and Reporting

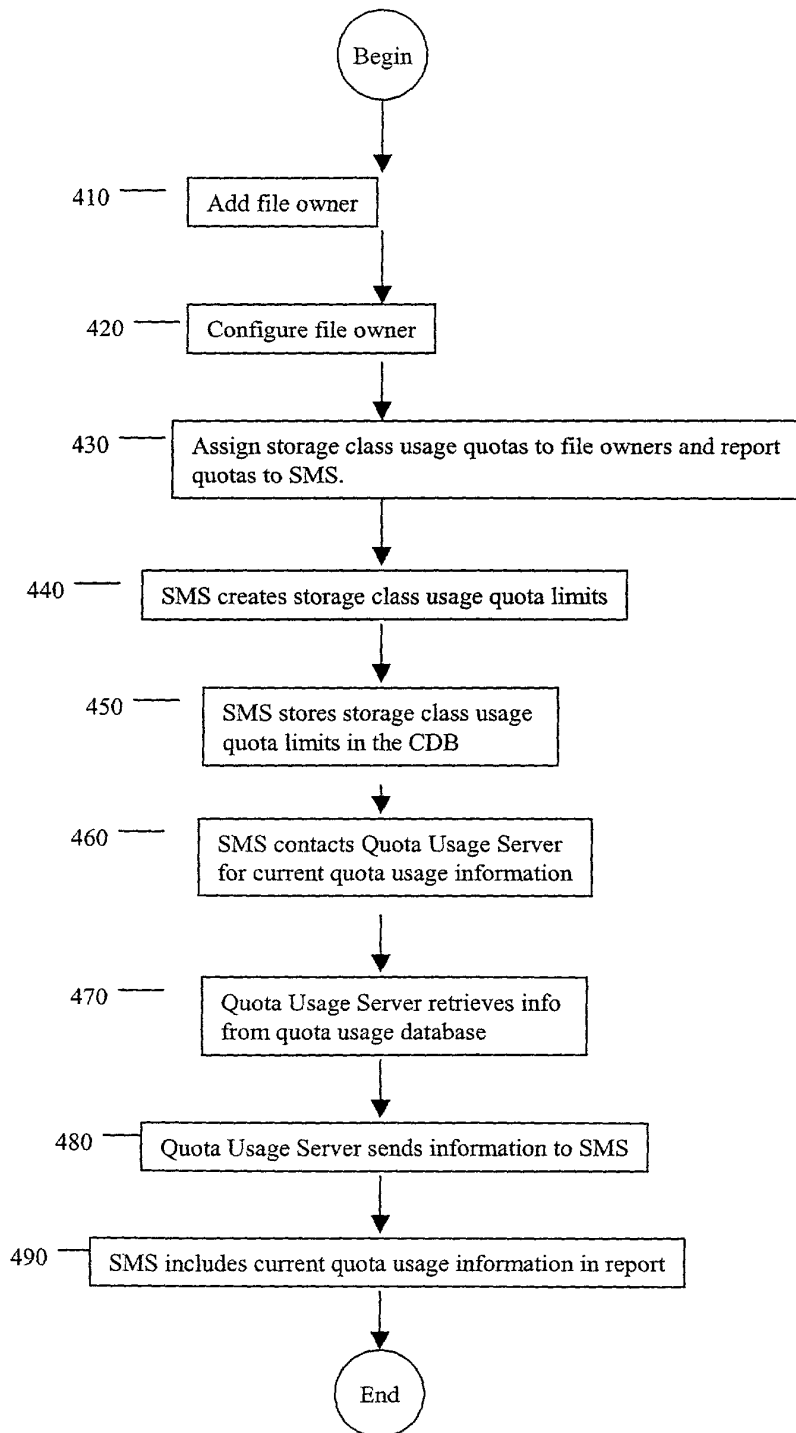


Fig. 4

Quota Usage Tracking

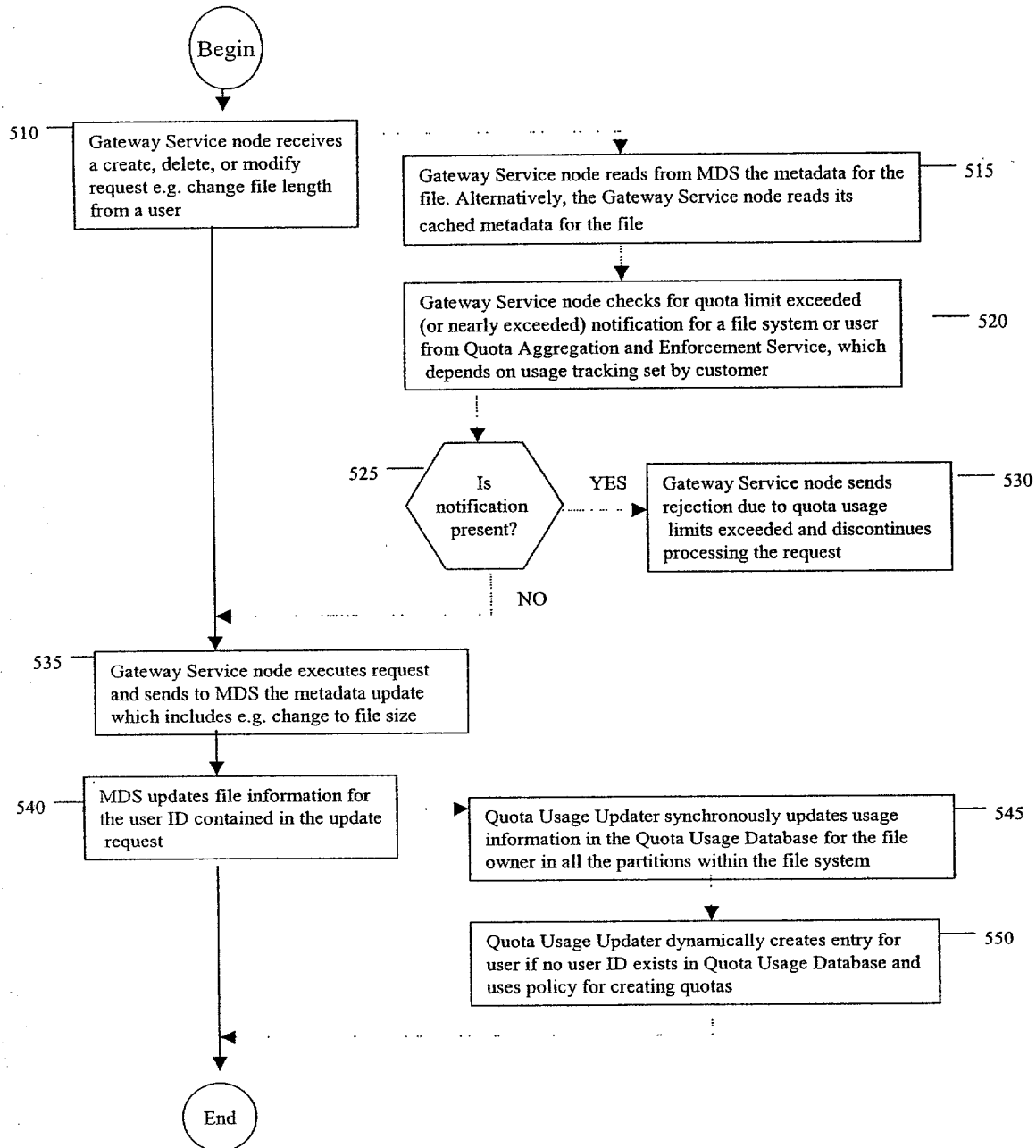


Fig. 5

Quota Usage Aggregation and Enforcement

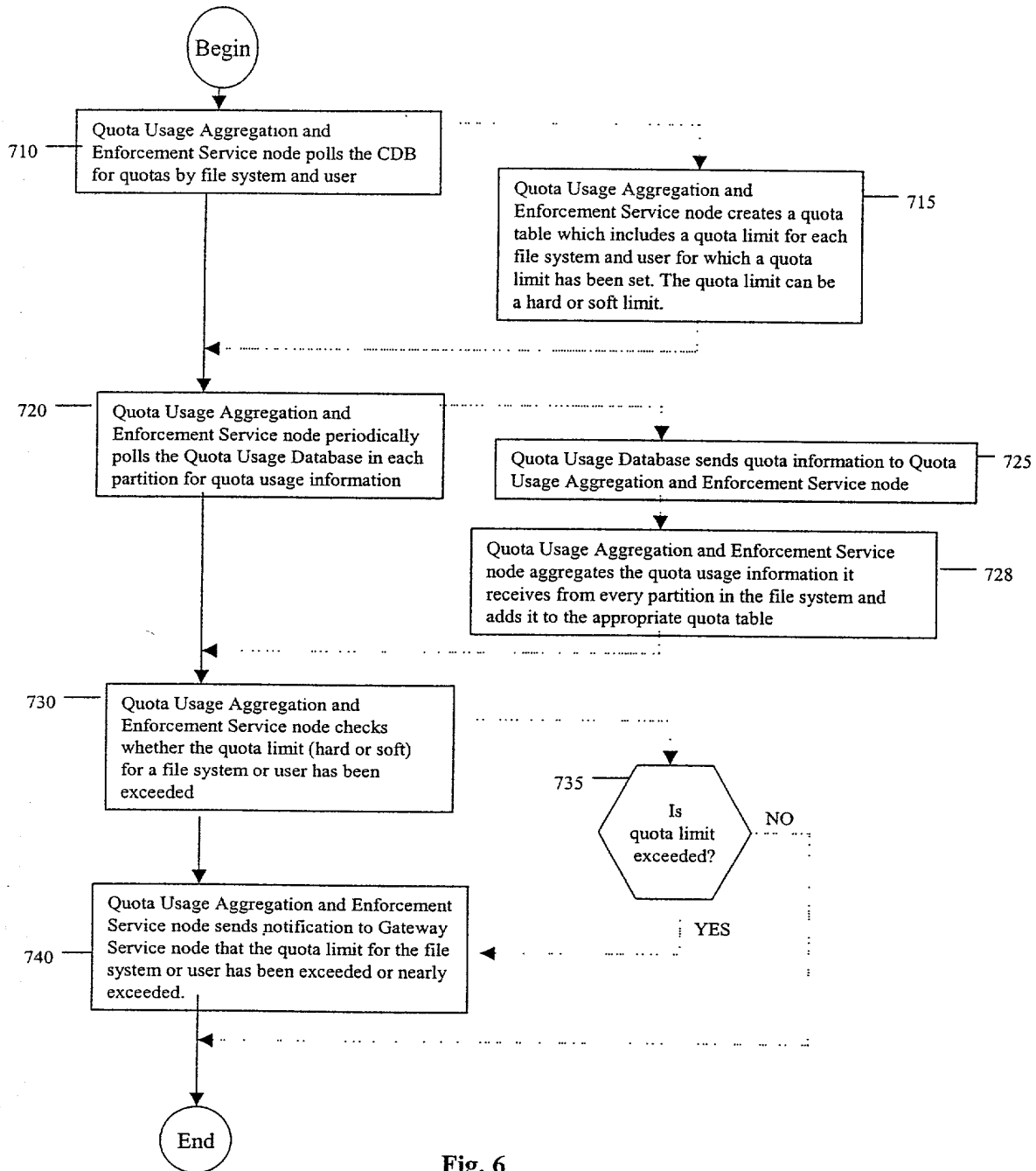


Fig. 6